



# Microbiomes and metagenomics: application and challenges

Friday 23<sup>rd</sup> of November 2018



## Draft program

09:00 – 09:30 **Reception with Coffee & Tea**

09:30 – 10:00 **Bas Dutilh, Utrecht University**  
*Predicting the metabolome from metagenomics*

10:00 – 10:30 **Marnix Medema, WUR**  
*Computational genomics of specialized metabolism: from natural product discovery to microbiome ecology*

10:30 – 11:00 **Coffee & Tea**

11:00 – 11:30 **Janneke van de Wijert, UMC Utrecht**  
*Incorporating microbiota data into epidemiologic models: examples from vaginal microbiota research*

11:30 – 12:00 **Alex Bossers, WUR**  
*Quantifying acquired AMR through metagenomics*

12:00 – 13:00 **Lunch**

13:00 – 13:30 **Erley Ferlipe Lizarazo Forero, UMCG**  
*Critical steps in clinical shotgun metagenomics for the detection and typing of viruses and microbial pathogens*

13:30 – 14:00 **Tom van den Bogert, BaseClear**  
*Current techniques for performing metagenomics from an industry perspective*

14:00 – 14:30 **Sam Nooij, RIVM/Erasmus MC**  
*Overview of current methods of virology metagenomics and development of pipelines for (meta)genomics*

14:30 – 15:00 **Coffee & Tea**

15:00 – 15:30 **John Penders, MUMC**  
*Targeted, sequence-based and functional metagenomics to study the gut resistome.*

15:30 – 16:00 **Sam Banerjee, Utrecht University**  
*The importance of microbiome keystone taxa*

16:00 – 16:20 **Marlies Mulder, Erasmus MC**

16:20 – 16:40 **Dennis Schmitz, RIVM/Erasmus MC**  
*Translational research: NGS metagenomics into routine public health surveillance.*

16:40 – 17:00

**Venue: Danone Research, Uppsalalaan 12, Utrecht 'de Uithof' (by car? Park your car at P+R De Uithof!!!)**

**Registration at:** [https://webshop.umcutrecht.nl/umcutrecht/en/Products/Utrecht-Sessions-\(1\)/Microbiomes-and-Metagenomics-Analysis-and-challen.aspx](https://webshop.umcutrecht.nl/umcutrecht/en/Products/Utrecht-Sessions-(1)/Microbiomes-and-Metagenomics-Analysis-and-challen.aspx)

**Registration fee:** € 30